

FIG. 1 is a block diagram of a network system 10. The system 10 includes a data network 12, a switch system 28, and a switch system 30. The data network 12 is connected to the switch system 28 and the switch system 30. The switch system 28 includes a call server 34, a TPS 32, and an ITG 36. The switch system 30 includes a call server 44, a TPS 42, and an ITG 46. The data network 12 is also connected to a DHCP server 50, a media gateway 52, and a PSTN 54. The data network 12 is further connected to a soft phone 24, a soft phone 26, and a soft phone 20. The data network 12 is also connected to a TDM 38 and a TDM 40. The data network 12 is connected to a soft phone 14 and a soft phone 16. The data network 12 is connected to a soft phone 18. The data network 12 is connected to a soft phone 22. The data network 12 is connected to a soft phone 28. The data network 12 is connected to a soft phone 32. The data network 12 is connected to a soft phone 36. The data network 12 is connected to a soft phone 40. The data network 12 is connected to a soft phone 44. The data network 12 is connected to a soft phone 48. The data network 12 is connected to a soft phone 52. The data network 12 is connected to a soft phone 56. The data network 12 is connected to a soft phone 60. The data network 12 is connected to a soft phone 64. The data network 12 is connected to a soft phone 68. The data network 12 is connected to a soft phone 72. The data network 12 is connected to a soft phone 76. The data network 12 is connected to a soft phone 80. The data network 12 is connected to a soft phone 84. The data network 12 is connected to a soft phone 88. The data network 12 is connected to a soft phone 92. The data network 12 is connected to a soft phone 96. The data network 12 is connected to a soft phone 100.

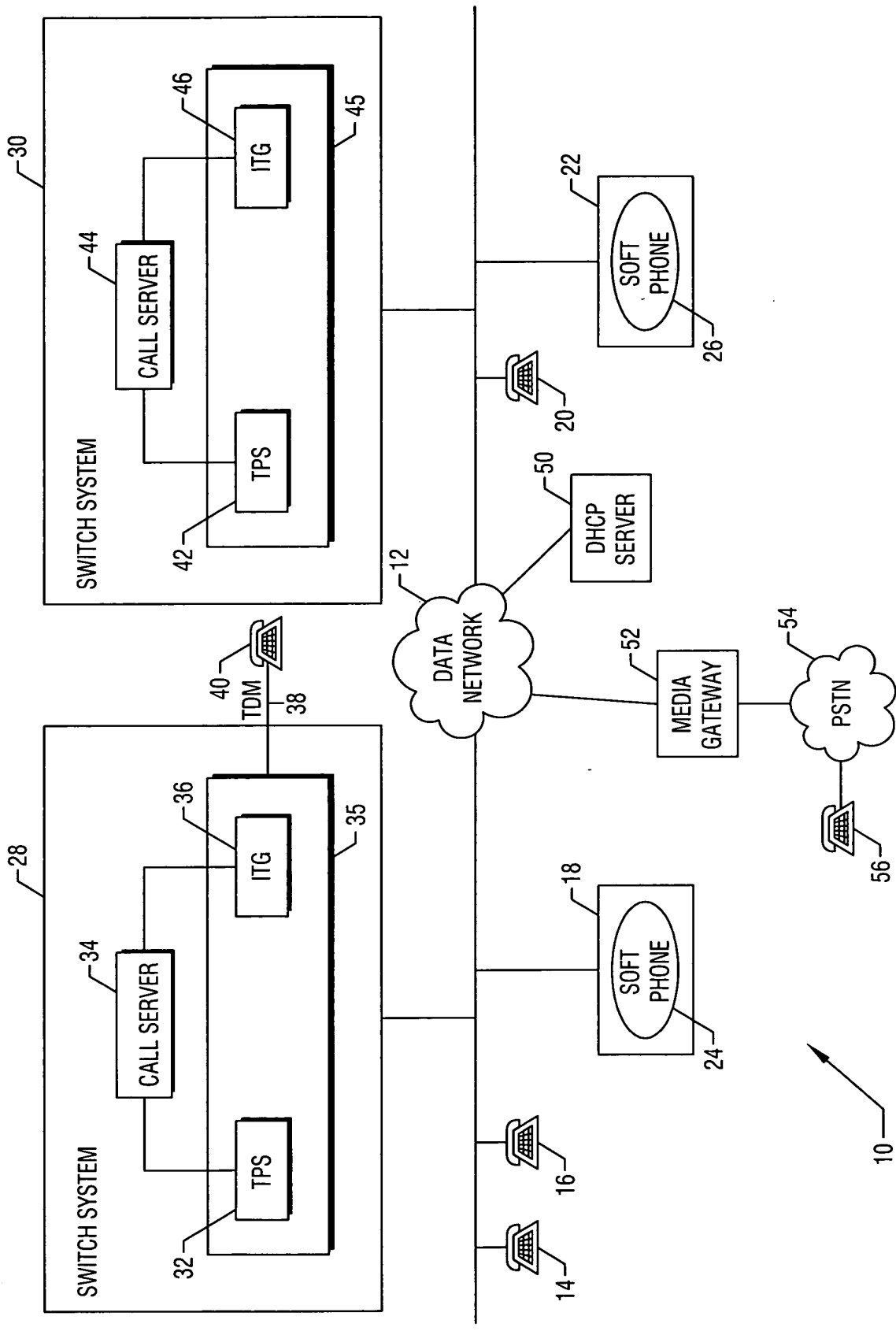


FIG. 1

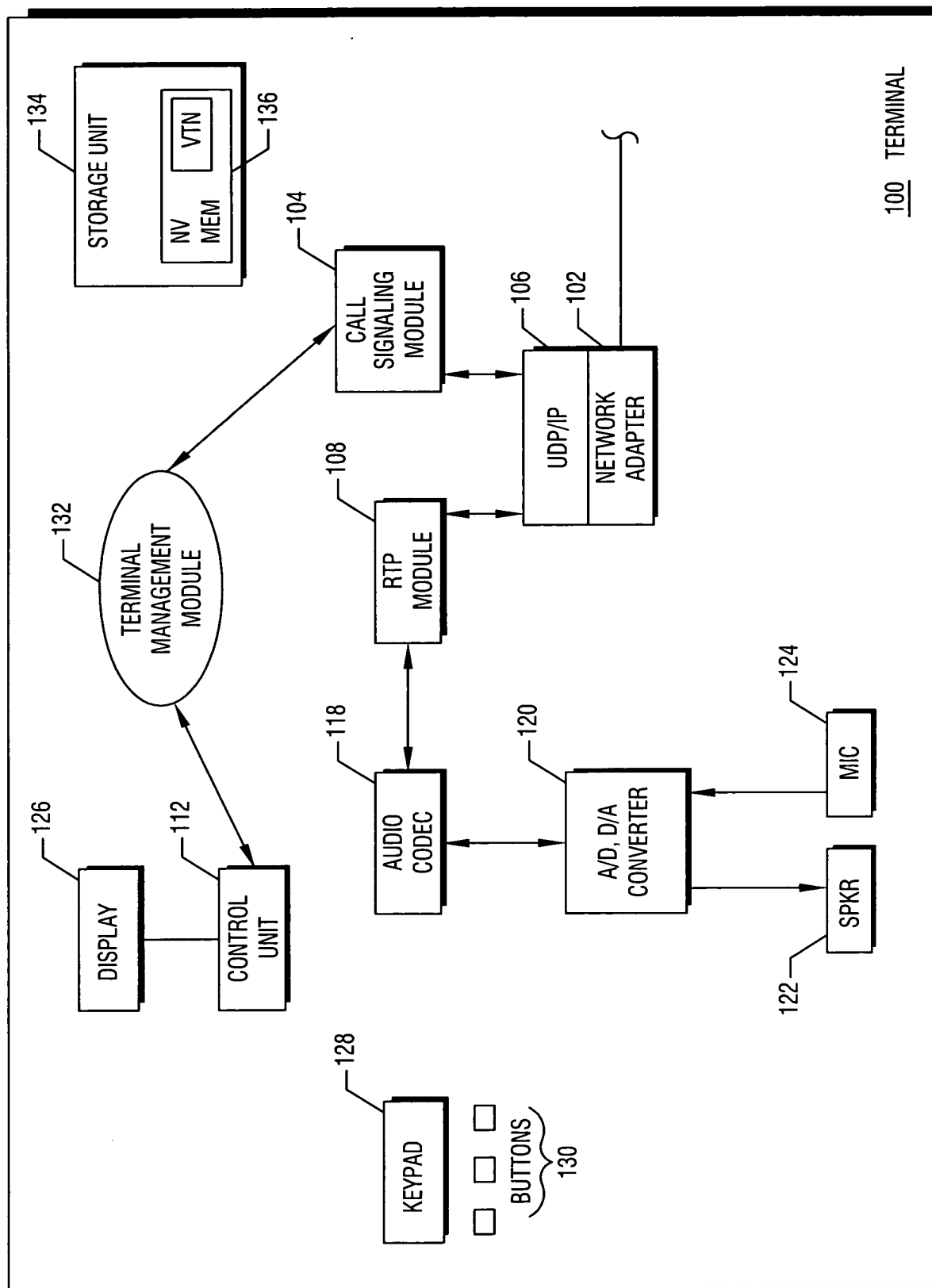


FIG. 2

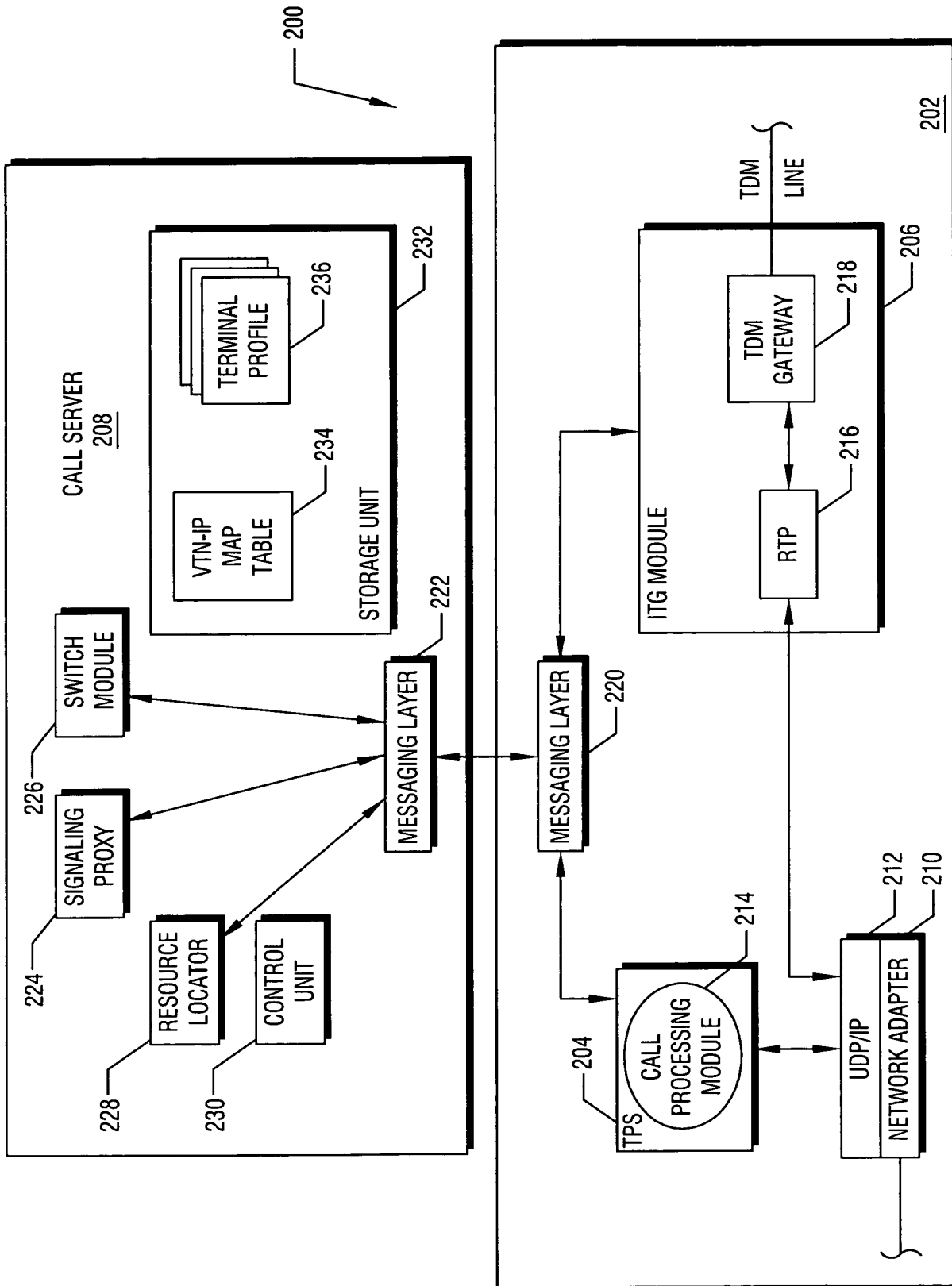


FIG. 3

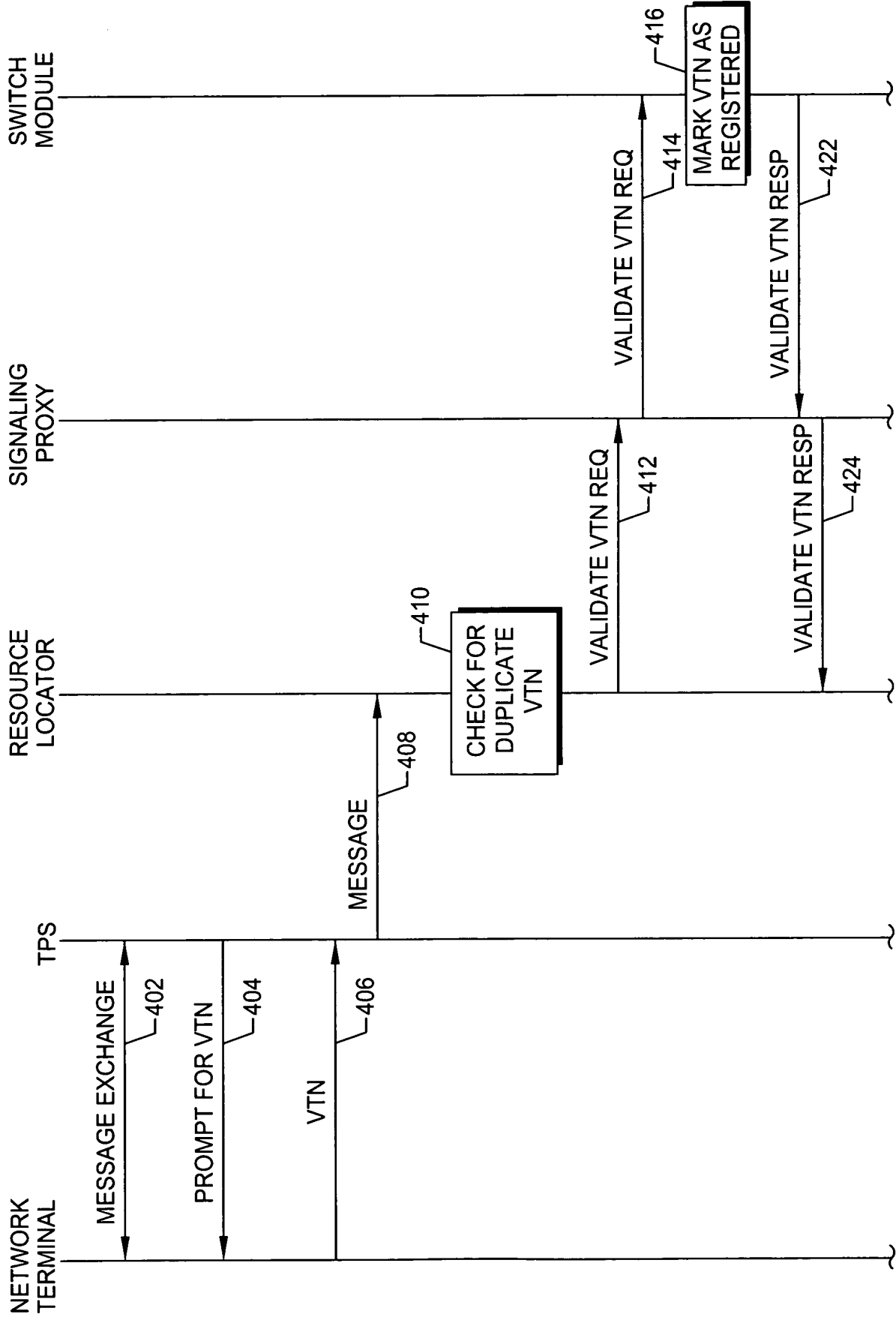


FIG. 4A

FIG. 4B is a sequence diagram illustrating a process for assigning a terminal ID and adding attributes to a profile. The diagram involves four participants: NETWORK TERMINAL, TPS, RESOURCE LOCATOR, and SWITCH MODULE. The process begins with the NETWORK TERMINAL sending an 'ASSIGN TERMINAL ID' message (428) to the TPS. The TPS then sends a 'QUERY ATTRIBUTES' message (430) to the RESOURCE LOCATOR. The RESOURCE LOCATOR sends a 'STORE VTN INTO MAPPING TABLE' message (418) to the SWITCH MODULE. The SWITCH MODULE then sends a 'STORE TERMINAL FEATURES' message (420) to the TPS. The TPS sends a 'STATUS' message (426) to the RESOURCE LOCATOR. The RESOURCE LOCATOR then sends a 'CAPABILITIES SET' message (434) to the SWITCH MODULE. Finally, the SWITCH MODULE sends an 'ADD ATTRIBUTES TO PROFILE' message (436) to the TPS.

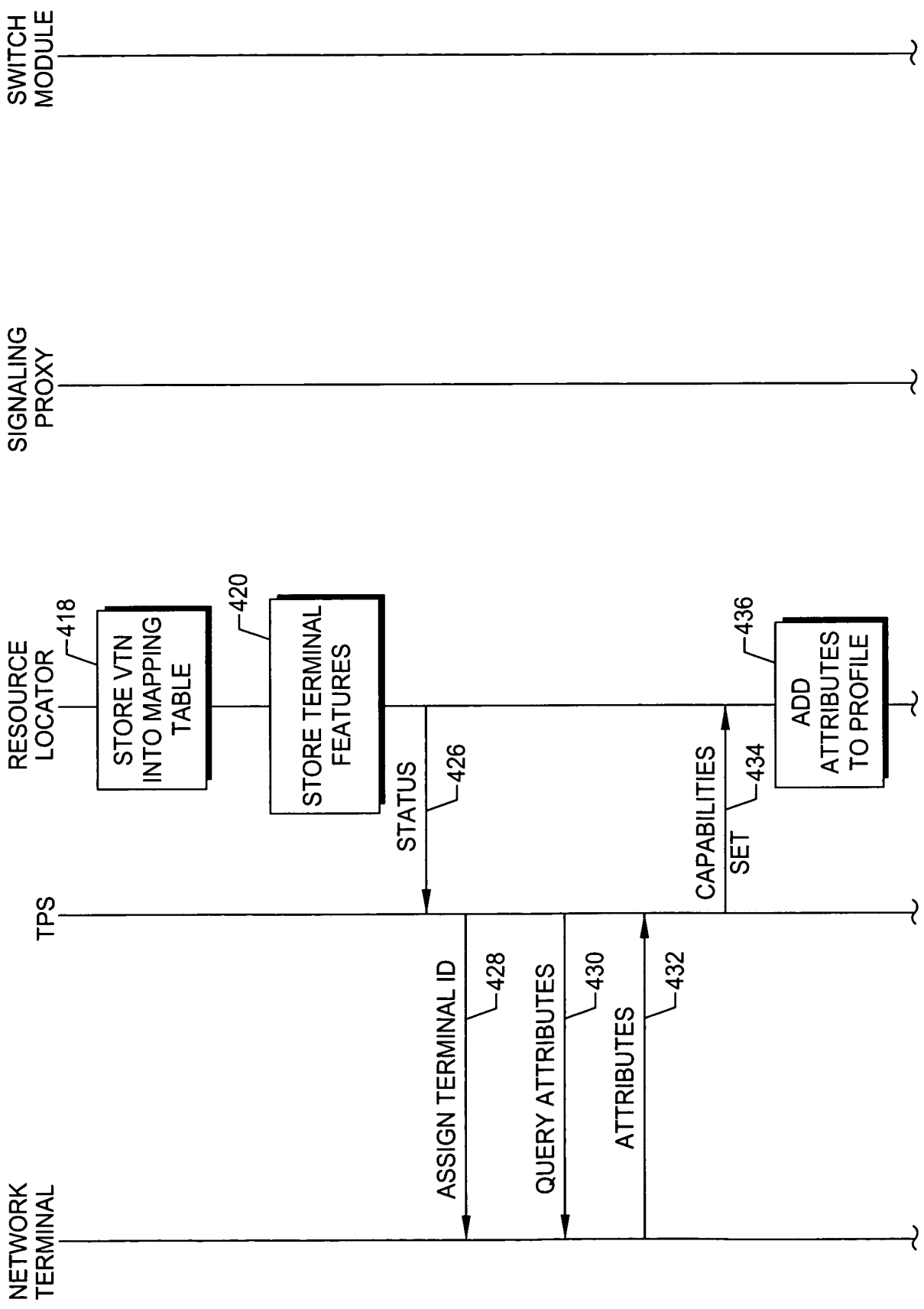
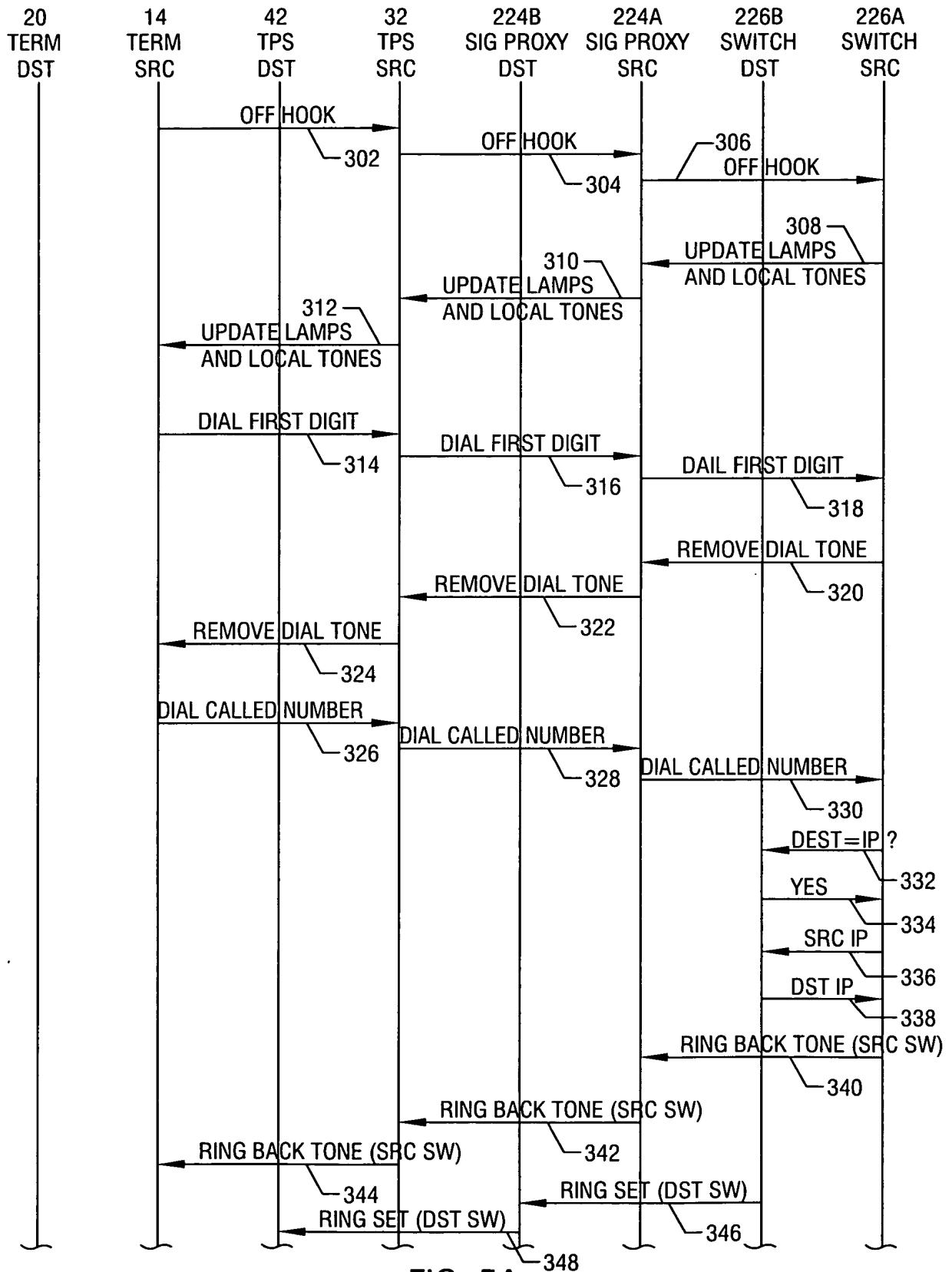


FIG. 4B



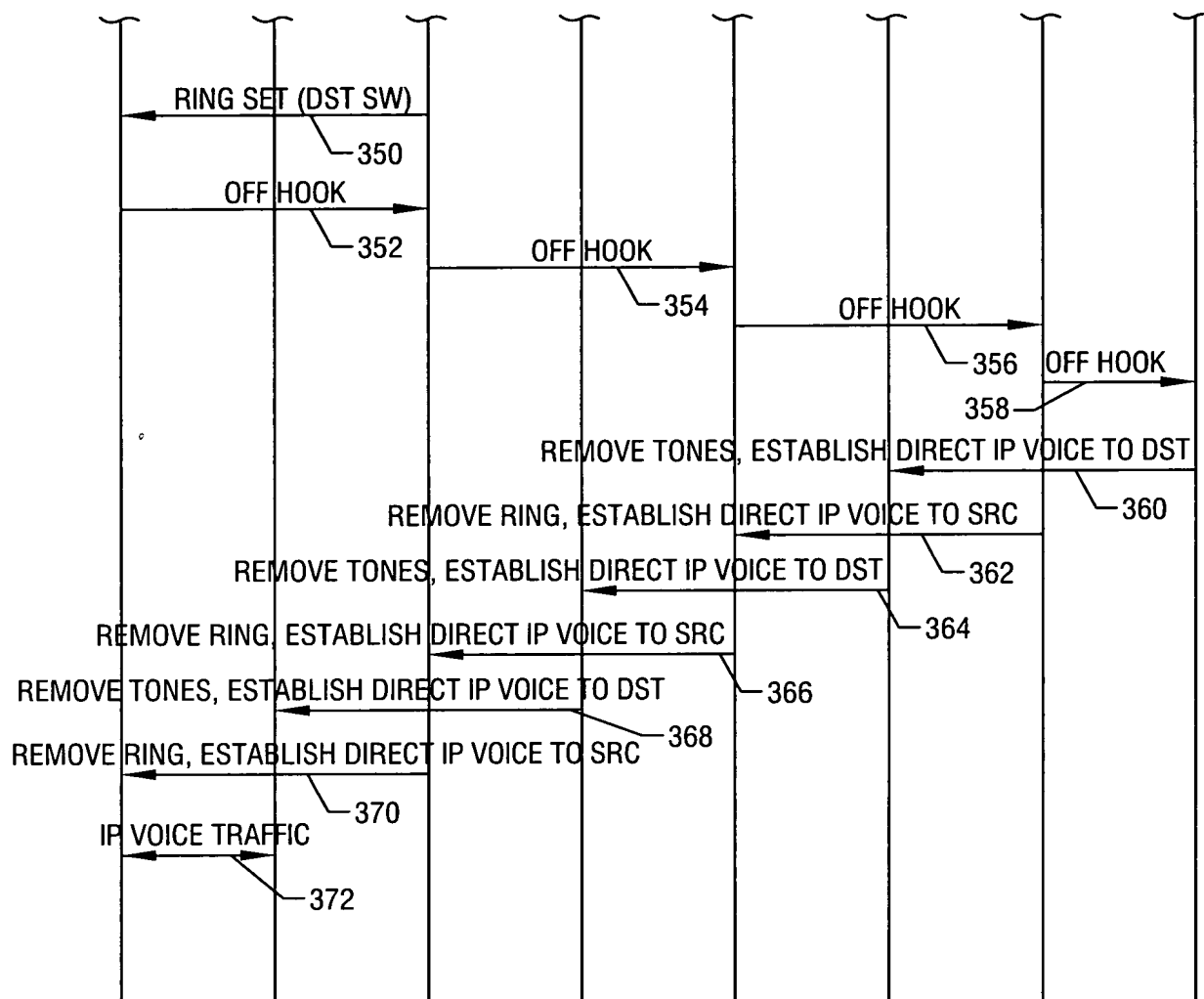


FIG. 5B